

Title (en)

ANTIBODIES AGAINST CLOSTRIDIUM DIFFICILE TOXINS AND METHODS OF USING THE SAME

Title (de)

ANTIKÖRPER GEGEN CLOSTRIDIUM-DIFFICILE-TOXINE UND VERFAHREN ZUR VERWENDUNG DAVON

Title (fr)

ANTICORPS CONTRE LES TOXINES DE CLOSTRIDIUM DIFFICILE ET LEURS PROCÉDÉS D'UTILISATION

Publication

EP 4079760 A3 20230125 (EN)

Application

EP 22169863 A 20140314

Priority

- US 201361794071 P 20130315
- US 2014028637 W 20140314
- EP 14762533 A 20140314

Abstract (en)

Monoclonal antibodies, or antigen-binding fragments thereof, that bind to Clostridium difficile (C. difficile) toxin A or toxin B and methods of using the same to detect or treat C. difficile infections and/or C. difficile-associated disease.

IPC 8 full level

C07K 16/12 (2006.01); **A61K 39/40** (2006.01); **A61P 31/04** (2006.01)

CPC (source: EP US)

A61K 39/40 (2013.01 - US); **A61P 31/04** (2017.12 - EP); **C07K 16/1282** (2013.01 - EP US); **A61K 2039/505** (2013.01 - EP US); **A61K 2039/507** (2013.01 - US); **C07K 2317/21** (2013.01 - EP US); **C07K 2317/30** (2013.01 - EP US); **C07K 2317/31** (2013.01 - US); **C07K 2317/34** (2013.01 - EP US); **C07K 2317/76** (2013.01 - EP US); **C07K 2317/92** (2013.01 - EP US)

Citation (search report)

- [A] WO 2013028810 A1 20130228 - CANGENE CORP [CA], et al
- [Y] EP 2270045 A1 20110105 - UNIV MASSACHUSETTS [US], et al
- [Y] WO 2012118693 A1 20120907 - UNIV NORTHSORE HEALTHSYSTEM [US], et al
- [Y] WO 2011063346 A1 20110526 - NORTHSORE UNIVERSITY HEALTH SYSTEM RES INST [US], et al
- [Y] EP 2184345 A1 20100512 - TOYAMA PREFECTURE [JP], et al
- [Y] BABCOCK GREGORY J ET AL: "Human monoclonal antibodies directed against toxins A and B prevent Clostridium difficile-induced mortality in hamsters", INFECTION AND IMMUNITY, AMERICAN SOCIETY FOR MACROBIOLOGY, USA, vol. 74, no. 11, 1 November 2006 (2006-11-01), pages 6339 - 6347, XP009109025, ISSN: 0019-9567, DOI: 10.1128/IAI.00982-06
- [Y] MAROZSAN ANDRE J ET AL: "Protection against Clostridium difficile infection with broadly neutralizing antitoxin monoclonal antibodies.", THE JOURNAL OF INFECTIOUS DISEASES 1 SEP 2012, vol. 206, no. 5, 1 September 2012 (2012-09-01), pages 706 - 713, XP009168808, ISSN: 1537-6613
- [Y] MAROZSAN A ET AL: "Humanized mAbs Against Clostridium difficile Toxins A and B Demonstrate Potent Neutralizing Activity In Vitro and Durable Protection from Lethal Disease In Vivo", ABSTRACTS OF THE INTERSCIENCE CONFERENCE ON ANTIMICROBIAL AGENTS AND CHEMOTHERAPY, vol. 51, 2011, & 51ST INTERSCIENCE CONFERENCE ON ANTIMICROBIAL AGENTS AND CHEMOTHERAPY (ICAAC); CHICAGO, IL, USA; SEPTEMBER 17 -20, 2011, pages B - 1188, XP002700709, ISSN: 0733-6373
- [Y] MAROZSAN A ET AL: "Mechanistic Studies of Novel Monoclonal Antibodies against Clostridium difficile Toxins", ABSTRACTS OF THE INTERSCIENCE CONFERENCE ON ANTIMICROBIAL AGENTS AND CHEMOTHERAPY, vol. 50, 2010, & 50TH INTERSCIENCE CONFERENCE ON ANTIMICROBIAL AGENTS AND CHEMOTHERAPY (ICAAC); BOSTON, MA, USA; SEPTEMBER 12 -15, 2010, XP002700708, ISSN: 0733-6373
- [Y] THOMAS TILLER: "Single B cell antibody technologies", NEW BIOTECHNOLOGY, vol. 28, no. 5, September 2011 (2011-09-01), pages 453 - 457, XP028290739, ISSN: 1871-6784, [retrieved on 20110405], DOI: 10.1016/J.NBT.2011.03.014

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2014144292 A2 20140918; WO 2014144292 A3 20141113; EP 2968508 A2 20160120; EP 2968508 A4 20161109; EP 2968508 B1 20220427; EP 4079760 A2 20221026; EP 4079760 A3 20230125; US 10160797 B2 20181225; US 11220537 B2 20220111; US 2016068591 A1 20160310; US 2019153078 A1 20190523; US 2022089700 A1 20220324

DOCDB simple family (application)

US 2014028637 W 20140314; EP 14762533 A 20140314; EP 22169863 A 20140314; US 201414776146 A 20140314; US 201816204624 A 20181129; US 202117538731 A 20211130